

Solar Power International Workshops on Bankability

Chicago, IL

October 21, 2013

8 a.m.–12 p.m., Room 401A

Part 1: Demonstrating Bankability – What accelerated tests are needed to give confidence in the durability of PV modules?

8 a.m. Today's Qualification Tests and Testing Beyond These

John Wohlgemuth, Principal Physicist in PV Reliability, NREL

8:30 a.m. Proposals for Tests and Ratings to Demonstrate Bankability

Sarah Kurtz, Principal Scientist, NREL

9 a.m. UV Testing: 20 years of Data Showing the Value for Extended UV Testing of Encapsulant Materials

Charlie Reid, Chief Technology Officer, STR

9:20 a.m. Break

9:30 a.m. Potential-Induced Degradation Testing: A Critical Addition to Today's Qualification Tests

Mani TamizhMani, President, TUV Rheinland PTL

9:50 a.m. Dynamic Mechanical Load Testing

Geoffrey Kinsey, Director of PV Technologies, Fraunhofer CSE

10:10 a.m. Importance of Third-Party Verification of Quality Management

Paul Norum, Head of Global Regulatory Compliance and Reliability, Amonix

10:30 Qualification of PV Materials

William Gambogi, Research Fellow, DuPont

10:50 a.m. Break

10:55 a.m. Panel Discussion

Felix Holz, Vice President, Deutsche Bank

Ralph Romero, Director, Black & Veatch Management Consulting

Nagendra Cherukupalli, Vice President and Chief Technology Officer, SunEdison

Charlie Hasselbrink, Product Manager for Modules, SunPower

Jenya Meydbray, Chief Executive Officer, PV Evolution Labs

Dirk Morbitzer, Supply Chain Manager, SunRun

Jeanne Schwartz, Vice President of New Venture Commercialization, Assurant Solar Group

12 p.m. Adjourn

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Part 2: Driving the Commercialization of New Solar Technologies – The Role of U.S. DOE Regional Test Centers in Demonstrating Bankability

1 p.m. Introduction to the Regional Test Centers

Melissa Sisneros, Program Manager Regional Test Centers, Sandia National Laboratories

1:30 p.m. Validation Methodologies to Support Bankability: What, Why, and Where

Bruce King, Principal Member of Technical Staff, Sandia National Laboratories

2 p.m. Photovoltaic System Energy Performance Evaluation Method

Sarah Kurtz, Principal Scientist, National Renewable Energy Laboratory

2:15 p.m. Discussion

2:30 p.m. RTC Partner Experiences

John Prater, Vice President of Business Operations, HelioVolt

Seth Kahn, Marketing Director, Volterra

Clark Crawford, Vice President of Business Development, Soitec

Josh Moore, Director of Product Management, Stion

3 p.m. Break

3:15 p.m. What Does It Take to Make a New Technology Bankable?

Chaired by Lidija Sekaric, Program Manager, U.S. Department of Energy SunShot Initiative

Felix Holz, Vice President, Deutsche Bank

Ralph Romero, Director, Black & Veatch Management Consulting

Nagendra Cherukupalli, Vice President and Chief Technology Officer, SunEdison

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4:45 p.m. Wrap-Up and Discussion